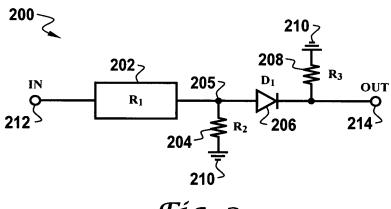


Fíg. 1



Fíg. 2

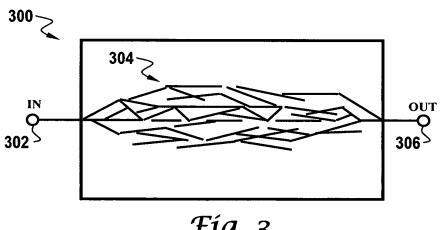
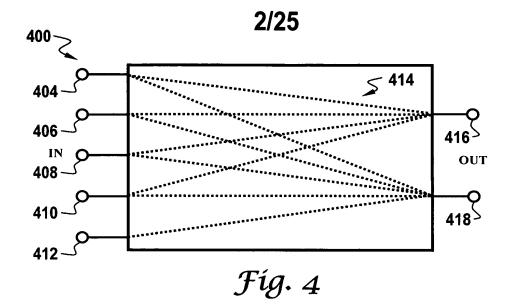


Fig. 3



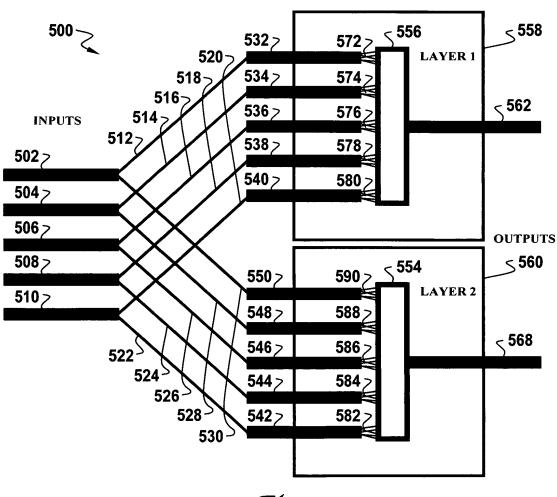
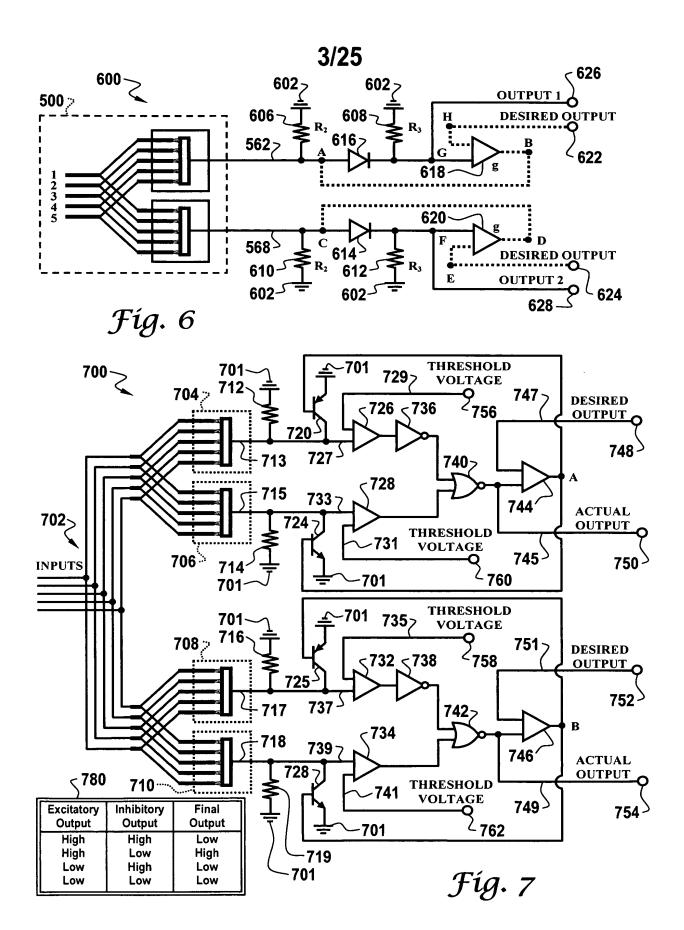
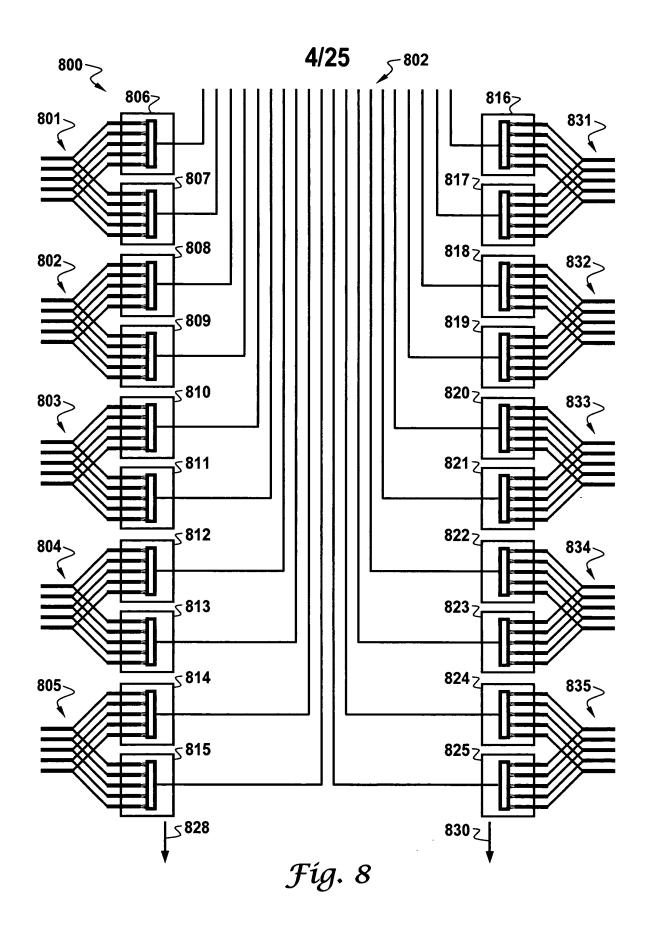
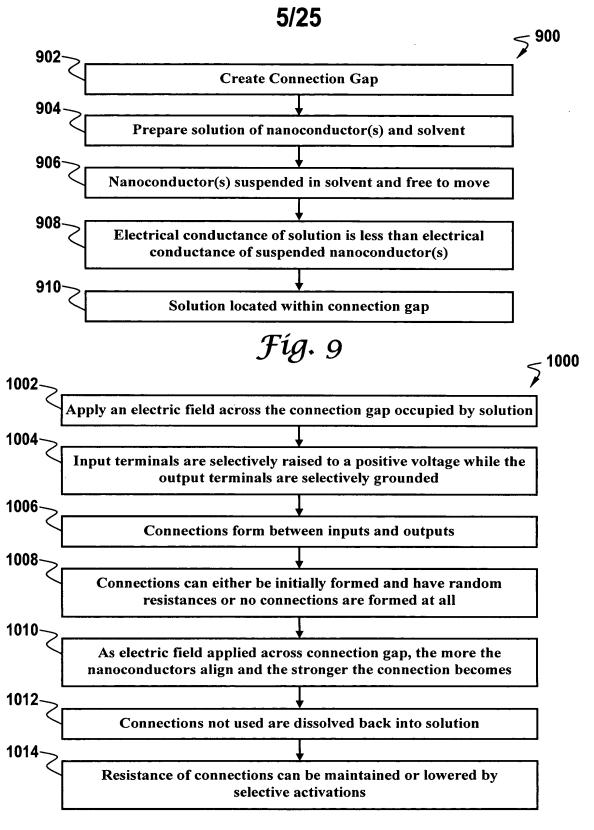


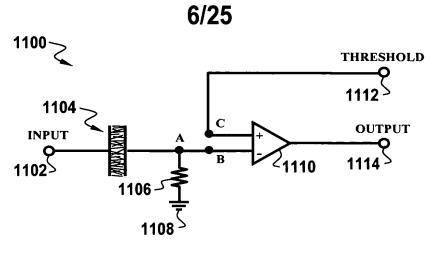
Fig. 5



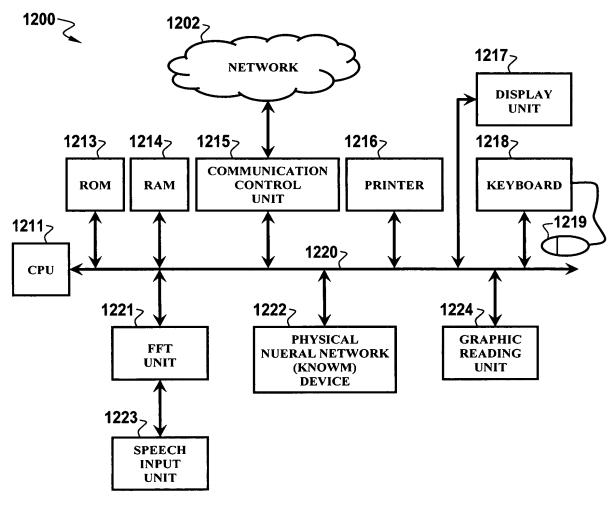




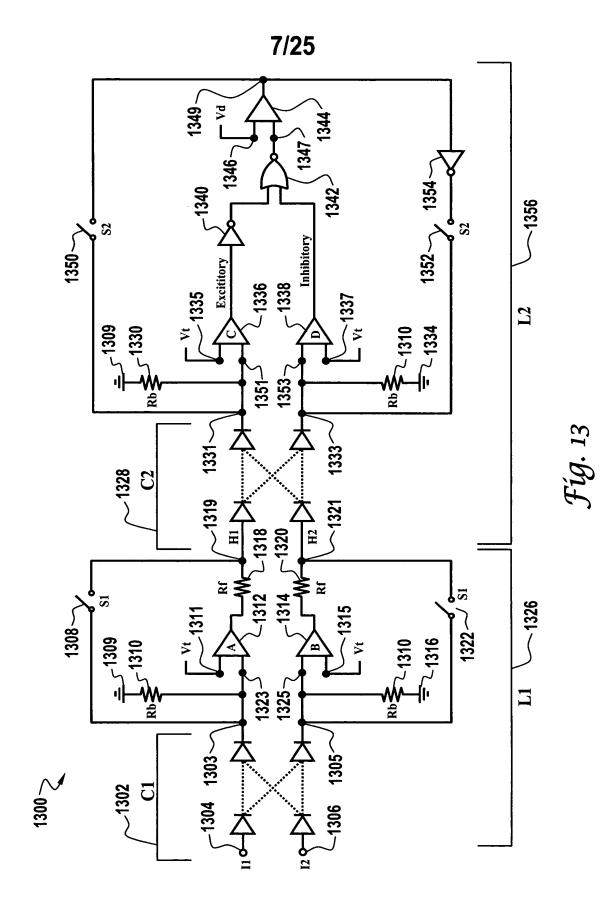
Fíg. 10

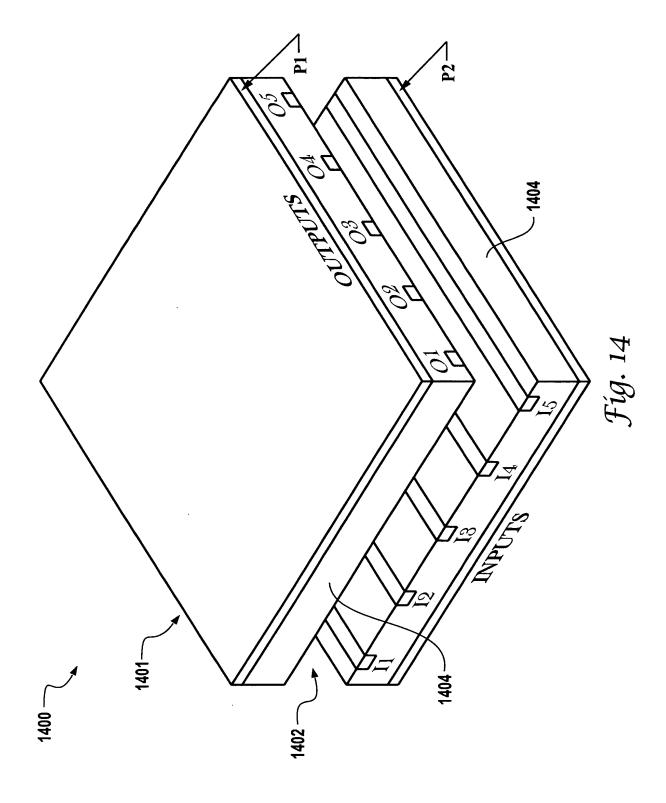


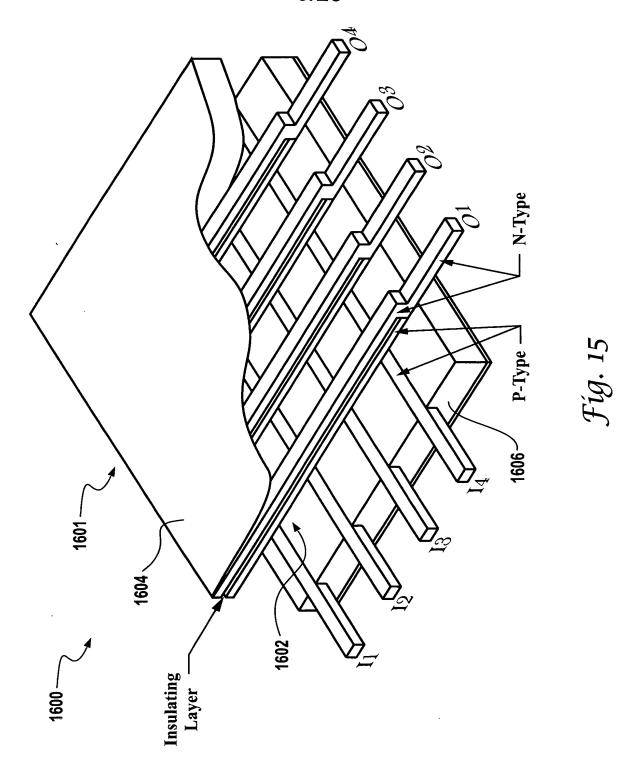
Fíg. 11

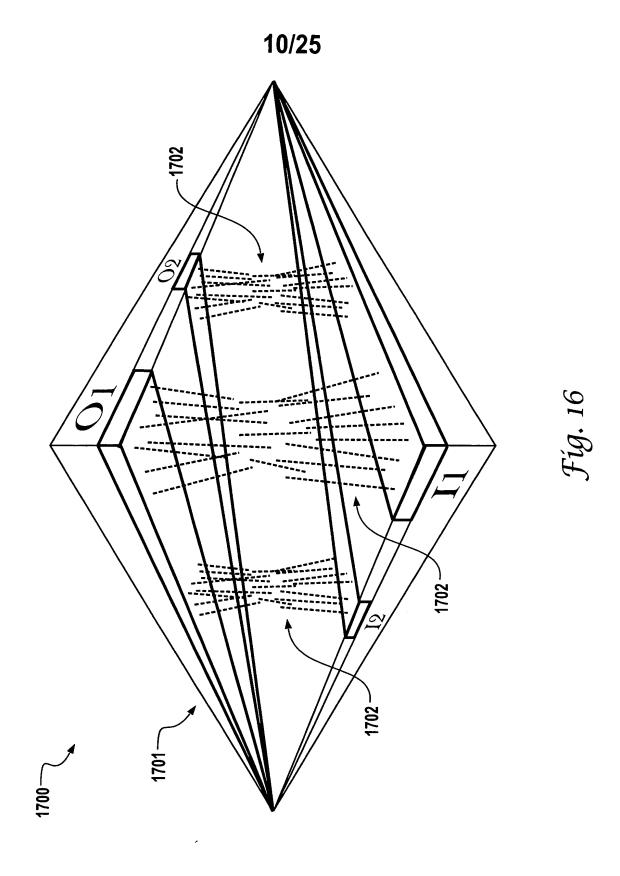


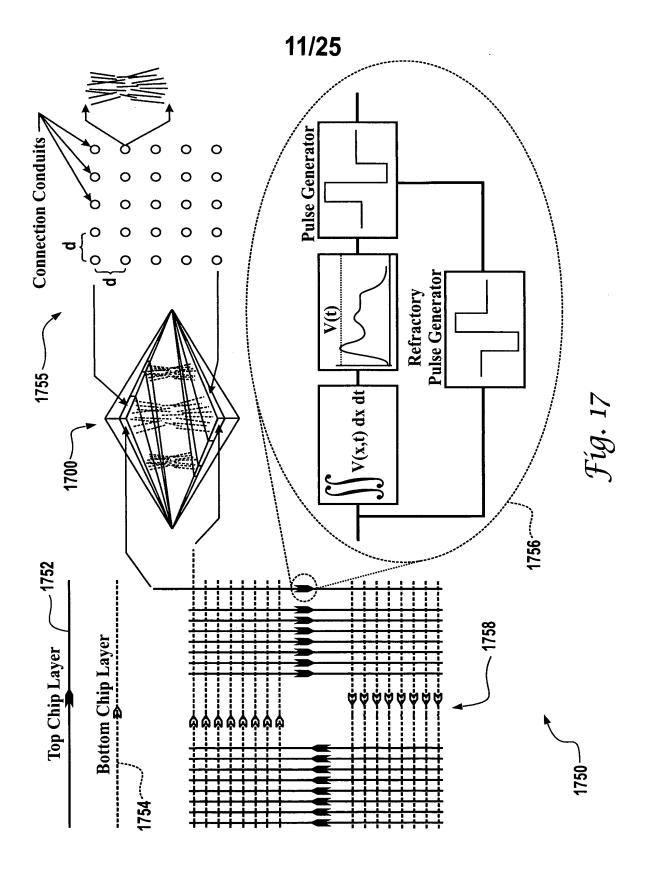
Fíg. 12

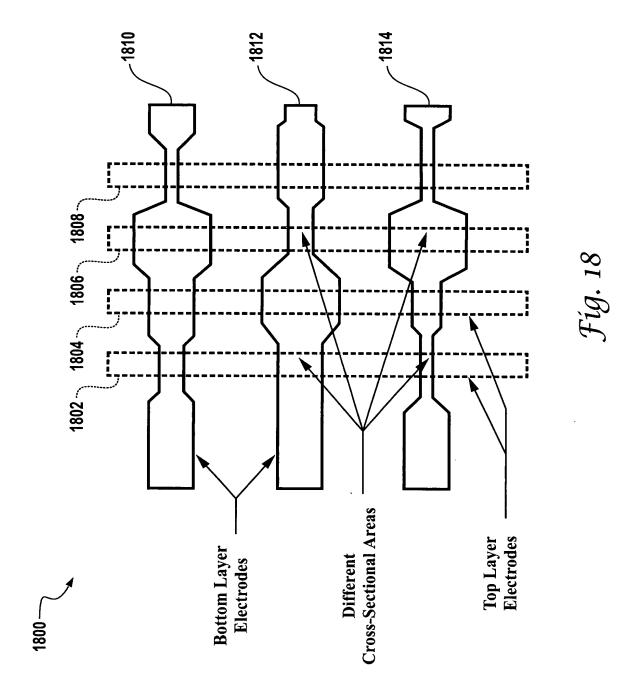


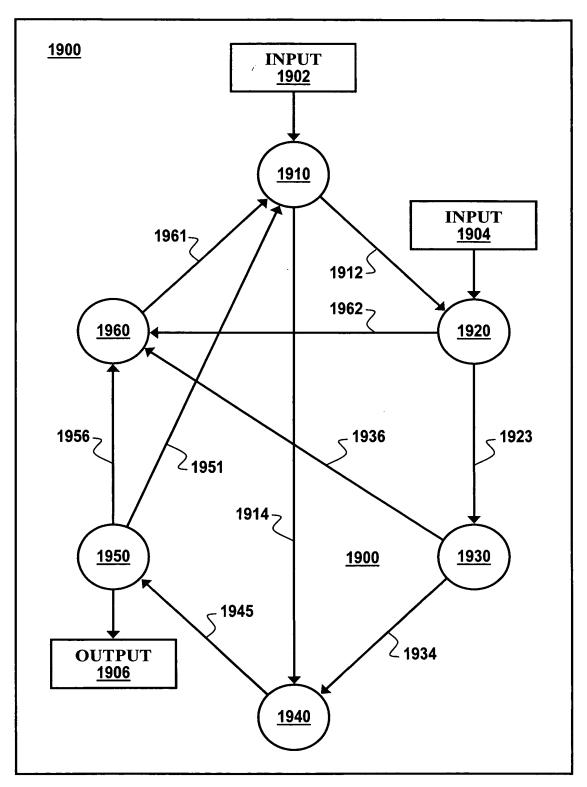




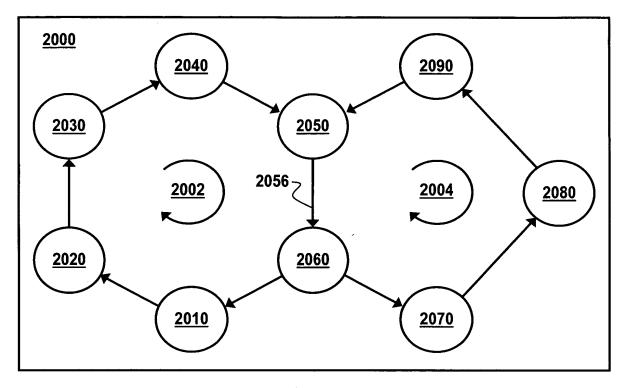




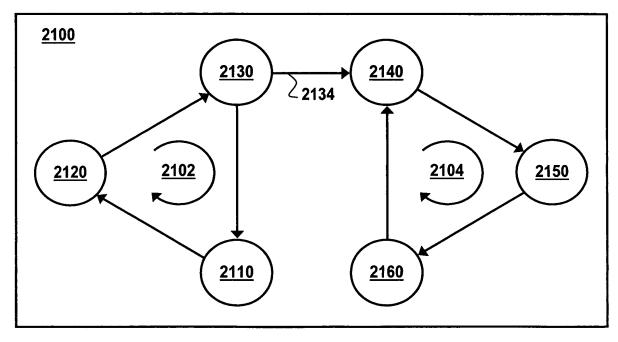




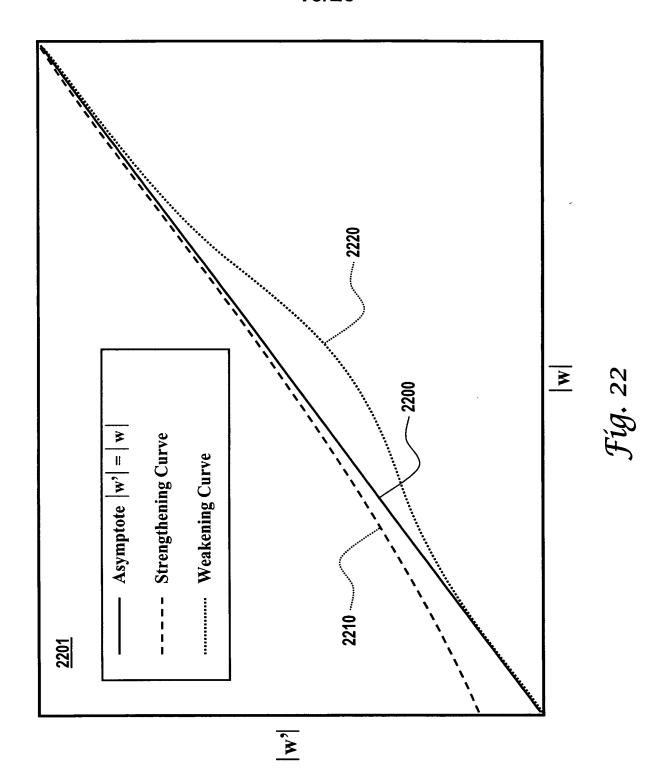
Fíg. 19

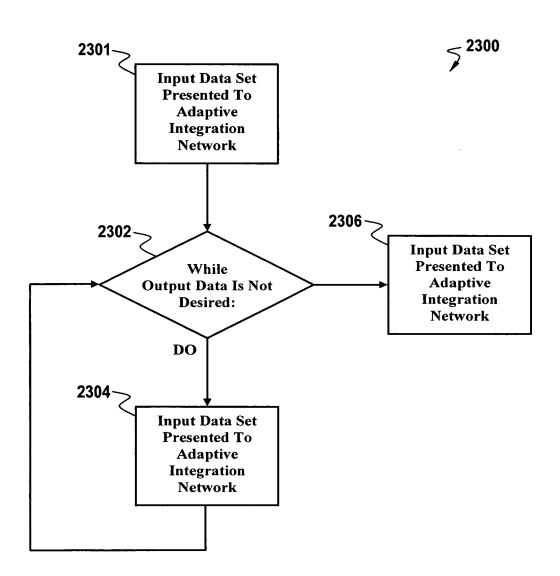


Fíg. 20



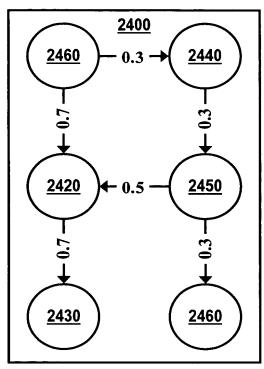
Fíg. 21



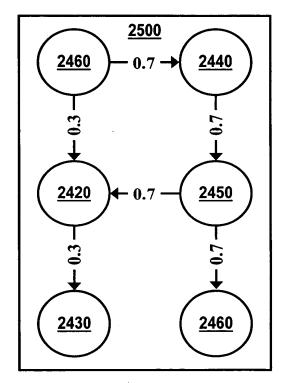


Fíg. 23

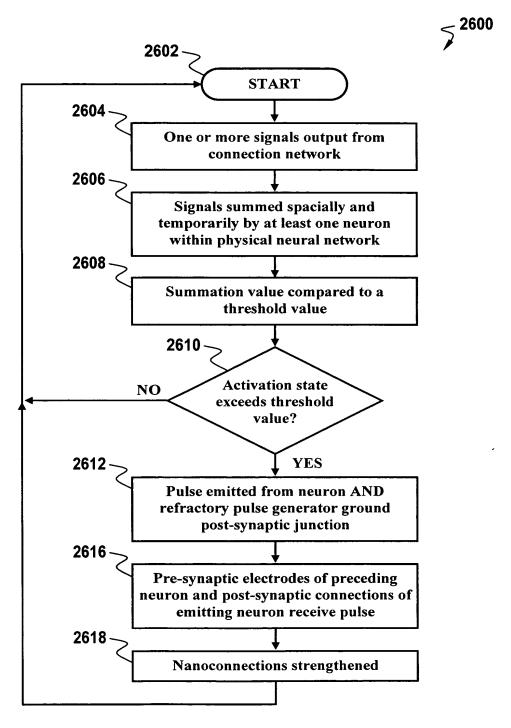
17/25



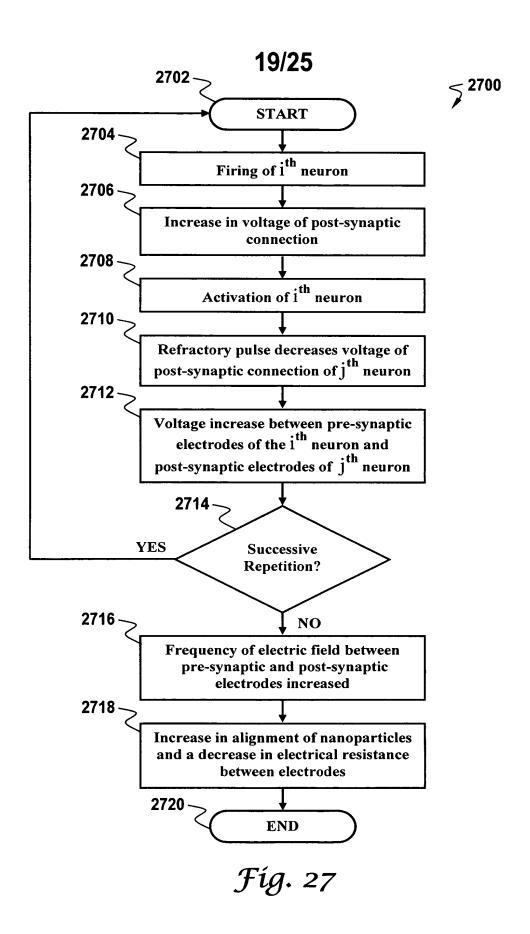
Fíg. 24



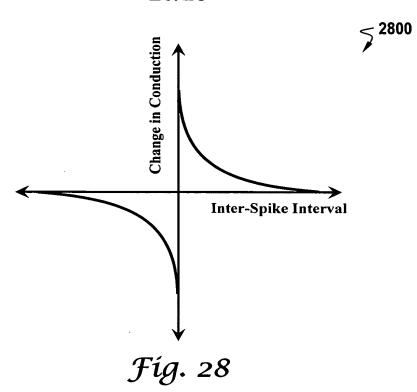
Fíg. 25

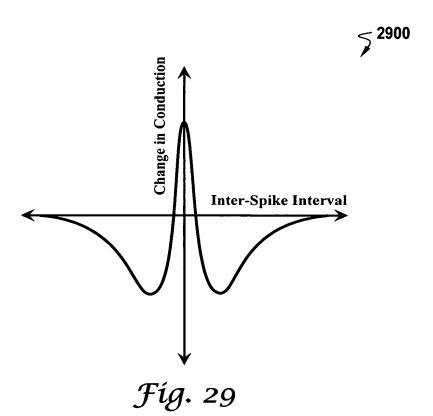


Fíg. 26

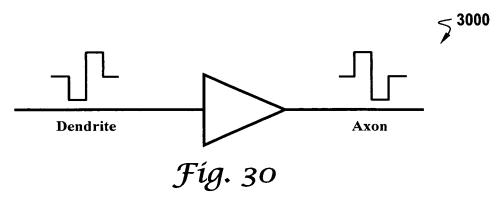












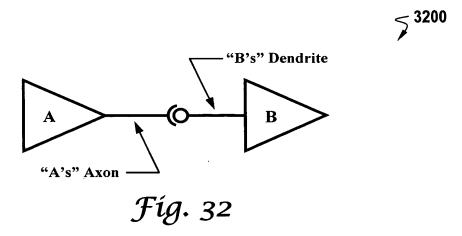
≯3100

Axonal Dendritic

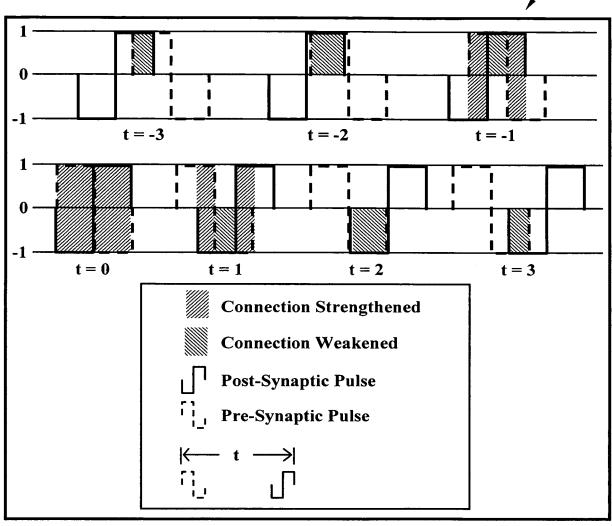
Excititory

Inhibitory

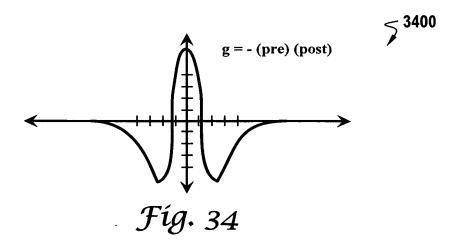
Fíg. 31

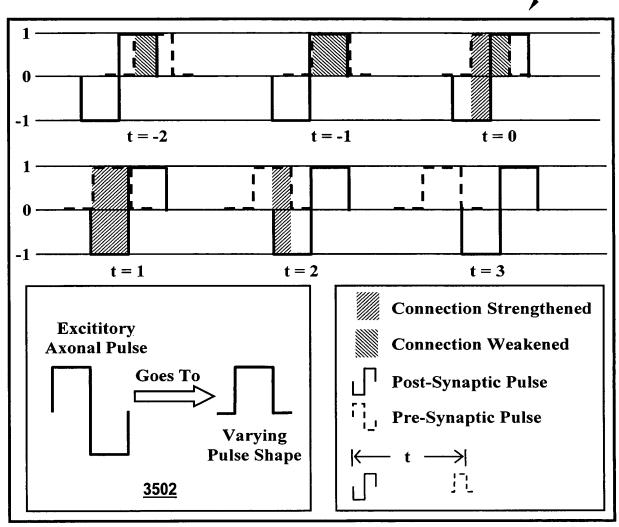




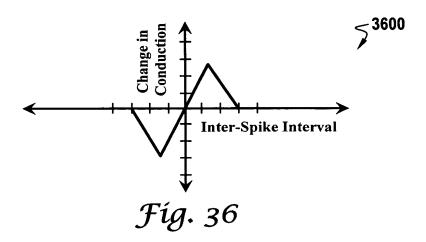


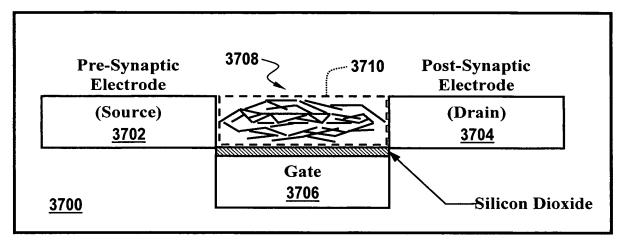
Fíg. 33



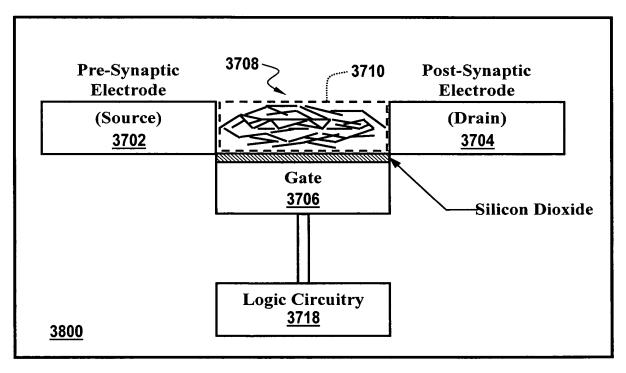


Fíg. 35

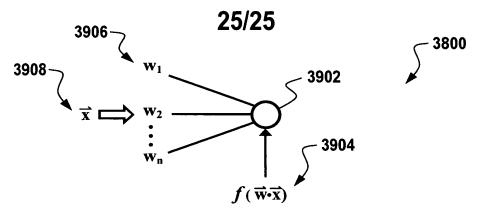




Fíg. 37



Fíg. 38



Neuron Activity =
$$y = \sum_{i=1}^{n} w_i x_i$$

 $x = \text{input or pre-synaptic activity}$

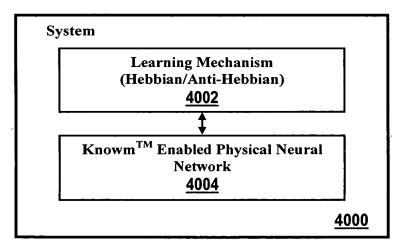
 $\Delta w = \gamma x y$, where $\gamma = \text{learning factor}$ $w_{t+1} = w_t + \Delta w$

Hebbian

 $\Delta \mathbf{w} = -\gamma \mathbf{x} \mathbf{y}$ anti - Hebbian

 $\Delta \mathbf{w} = \gamma \mathbf{x} \mathbf{y} (f(\mathbf{y})) \qquad \qquad \underline{3916}$

Fíg. 39



Fíg. 40